

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"6135990".pn.	US-PGPUB; USPAT	AND	ON	2007/10/03 10:55
S2	1	"5318514".pn.	US-PGPUB; USPAT	AND	ON	2007/10/03 10:55
S3	1	"5702359".pn.	US-PGPUB; USPAT	AND	ON	2007/10/03 10:56
S4	82	("1099062"   "4955378"   "5019034"   "5058605"   "5128257"   "5273525"   "5389069").PN. OR ("5702359").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/10/03 11:03
S5	4	("5318514"   "5702359"   "5983131"   "6135990").PN.	US-PGPUB; USPAT	AND	ON	2007/12/05 14:22
S6	2097	604/20.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 14:51
S9	8	hoff-andr\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 15:43
S10	176	gilbert-rich\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 15:45
S11	87	heller-rich\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 15:55
S12	40	jaroszeski-mar\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 15:58
S13	68	S6 and array base electrode integral	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 16:09
S14	28	microplunger or "micro plunger"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/05 16:18
S15	1409	604/500.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/06 08:20
S16	566	604/500.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/06 08:21
S17	19220	implant\$ and (electroporation or electromanipulation or iontophoration) and patient	US-PGPUB; USPAT	AND	ON	2007/12/06 15:49

S18	2274	implant\$ and (electroporation or electromanipulation or iontophoration) and patient implantable	US-PGPUB; USPAT	AND	ON	2007/12/06 15:49
S19	16	implant\$ and (electroporation or electromanipulation or iontophoration).ti. and patient implantable	US-PGPUB; USPAT	AND	ON	2007/12/06 15:51
S20	24	implant\$ and (electroporation or electromanipulation or iontophoration).ti. metabolic	US-PGPUB; USPAT	AND	ON	2007/12/06 16:37
S25	26	(electroporation or electromanipulation or iontophoration) (metabolic near5 responsive)	US-PGPUB; USPAT	AND	ON	2007/12/06 16:40
S26	30	(electroporation or electromanipulation or iontophoration) (metabolic near6 responsive)	US-PGPUB; USPAT	AND	ON	2007/12/06 16:40
S29	75	(electroporation or electromanipulation or iontophoration) peak power (kW or kilowatt)	US-PGPUB; USPAT	AND	ON	2007/12/06 16:55
S30	1420	(electroporation or electromanipulation or iontophoration) low near5 (power or voltage)	US-PGPUB; USPAT	AND	ON	2007/12/06 16:57
S31	1173	(electroporation or electromanipulation or iontophoration) low near (power or voltage)	US-PGPUB; USPAT	AND	ON	2007/12/06 16:58
S32	9	(electroporation or electromanipulation or iontophoration) low near (power or voltage) (S17 kW)	US-PGPUB; USPAT	AND	ON	2007/12/06 16:58
S33	8	("2003/0233132").URPN.	USPAT	AND	ON	2007/12/06 17:21
S34	82	("20020002389"   "20020115081"   "20030023278"   "20030055461"   "20030105493"   "20030153952"   "20030171791"   "20030187482"   "20030208240"   "20030233132"   "20040030357"   "20040044374"   "20040049236"   "20040073093"   "20040098057"   "20040127792"   "20050065568"   "4354497"	US-PGPUB; USPAT; USOCR	AND	ON	2007/12/06 17:22

		"4549548"   "4554922"   "4628934"   "4674518"   "4686987"   "4872459"   "4880005"   "4928688"   "5014698"   "5058605"   "5109842"   "5137019"   "5156149"   "5158079"   "5174289"   "5190035"   "5233985"   "5267560"   "5284136"   "5334222"   "5370665"   "5391190"   "5417717"   "5487752"   "5514161"   "5534016"   "5584867"   "5584868"   "5674259"   "5683429"   "5792203"   "5797970"   "5824019"   "5836974"   "5851226"   "5935160"   "5995871"   "6022322"   "6038483"   "6058328"   "6058329"   "6066094"   "6112117"   "6151524"   "6152955"   "6161042"   "6223082"   "6253107"   "6272377"   "6273377"   "6278894"   "6285898"   "6292694"   "6361522"   "6363279"   "6370424"   "6418343"   "6427084"   "6453191"   "6542775"   "6574506"   "6628988"   "6640135"   "6684103").PN.				
S35	27	S34 metabolic	US-PGPUB; USPAT	AND	ON	2007/12/06 17:26
S36	1233	electrode drug delivery plunger	US-PGPUB; USPAT	AND	ON	2007/12/06 17:47
S41	635	electrode drug delive\$ micro plunger	US-PGPUB; USPAT	AND	ON	2007/12/06 17:48
S42	459	electrode near5 plunger	US-PGPUB; USPAT	AND	ON	2007/12/06 17:51
S43	307	electrode near3 plunger	US-PGPUB; USPAT	AND	ON	2007/12/06 17:51
S44	6	(electroporation or electromanipulation or iontophoration) mini near reservoir	US-PGPUB; USPAT	AND	ON	2007/12/06 17:53
S45	19	(electroporation or electromanipulation or iontophoration) micro near reservoir	US-PGPUB; USPAT	AND	ON	2007/12/06 17:55
S47	1	"5501662".pn.	US-PGPUB; USPAT	AND	ON	2007/12/06 18:34
S49	72	604/20.ccls. @pd> "20071201"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/05/22 11:18

S50	115	604/20.ccls. @pd> "20080501"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 08:59
S51	0	"10605126"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 09:26
S52	3	"0054969"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 09:26
S53	2	"20050054969"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 09:27
S54	0	("2005/0054969").URPN.	USPAT	AND	ON	2009/02/03 09:27
S55	9	hoff-andr\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 09:27
S56	7	(electroporation or electromanipulation or iontophoration) and "flexible base"	US-PGPUB; USPAT	AND	ON	2009/02/03 09:33
S57	0	(electroporation or electromanipulation or iontophoration) and "conformable base"	US-PGPUB; USPAT	AND	ON	2009/02/03 09:36
S58	1	(electroporation or electromanipulation or iontophoration) and (base near4 conformable)	US-PGPUB; USPAT	AND	ON	2009/02/03 09:36
S59	4329	"voltage controlled" and "current controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:10
S60	237	"voltage controlled" with "current controlled" with output	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:10
S67	4	(electromanipulation or electroporation) and ("voltage controlled" with "current controlled" with output)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:16
S68	4	(electromanipulation or electroporation) and ("voltage controlled" with "current controlled")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:17
S69	33	(electromanipulation or electroporation) and ("voltage controlled")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:18
S70	62	(electromanipulation or electroporation) and ("peak power")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:18
S71	2653	(electromanipulation or electroporation) and (kw or watt)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:18

S72	22	(electromanipulation or electroporation) and ("peak power" with (kw or watt))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:20
S73	9	("4775361"   "5224928"   "5380272"   "5885211"   "6013318"   "6022316"   "6230051"   "6334856"   "6692456").PN.	US-PGPUB; USPAT	AND	ON	2009/02/03 10:27
S74	1478	(electroporation with iontophoresis)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:40
S75	414	(electroporation with iontophoresis) and electrode and power	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:41
S76	378	(electroporation with iontophoresis) and electrode and power and tissue	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 10:41
S77	176	"5087240"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 11:14
S78	2	"5087240".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/02/03 11:14
S79	0	"volatage controlled" with "current controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:16
S80	1511	"voltage controlled" with "current controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:16
S81	0	"voltage controlled" with "current controlled" with "electrical source"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:16
S82	268	"voltage controlled" with "current controlled" with source	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:17
S83	4	"voltage controlled" with "current controlled" and (electroporation or electromanipulation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:17
S84	0	"voltage and current controlled source"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:30
S85	0	"voltage and current controlled electrical source"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:30
S86	0	"voltage controlled and current controlled electrical source"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:31
S87	0	"voltage controlled and current controlled source"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:31

S88	0	"voltage and current controlled" with source	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:31
S89	0	"voltage and current controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:31
S90	0	"voltage controlled and current controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:31
S91	0	"current controlled and voltage controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:32
S92	1	"current and voltage controlled"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:32
S93	0	source "controls both voltage and current"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:37
S94	8850	(source controls both voltage and current).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:37
S95	0	(source controls both "voltage and current").clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:37
S96	0	source with control with both with "voltage and current"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:38
S97	0	source with control with both with "current and voltage"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:38
S98	0	control with both with "current and voltage"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:38
S99	1	both with "current and voltage"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 14:38
S100	111	electroporation and "constant power"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:49
S101	102	electroporation tissue and "constant power"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:49
S102	0	electroporation tissue and "constant power" and kilowatt	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:50
S103	1	electroporation tissue and "constant power" and kw	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:50
S104	0	electromanipulation tissue and "constant power"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:52

S105	0	electromanipulation "constant power"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:52
S106	1320	tissue "constant power"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/07/21 15:53
S107	2	"maximum power" near (kw or kilowatt) and (skin or tissue)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:22
S108	14	"maximum power" near (skin or tissue)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:29
S109	3	"maintains power" near (skin or tissue)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:32
S110	15	"peak power" near (skin or tissue)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:33
S111	4928	(tissue with resistance) and current and power	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:37
S112	1022	(tissue with resistance) current power (electroporation or electromanipulation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:38
S113	528	(tissue with resistance) current electrode voltage power (electroporation or electromanipulation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:39
S114	254	(tissue with resistance) current electrical source electrode voltage power (electroporation or electromanipulation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:40
S115	110	S114 and (current with control)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:42
S116	91	S114 and (current near8 control)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:43
S117	85	S114 and (current near6 control)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:43
S118	70	S114 and (current near3 control)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:43
S119	74	"5246418"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:53
S120	0	"5246418".pn",	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:53

S121	0	"5246418".pn".	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:53
S122	2	"5246418".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 16:53
S123	86	604/20.ccls. @pd>"20090201"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 17:08
S124	0	(electromanipulation chemical tissue voltage current electrical source sheet electrode power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 17:10
S125	1	(chemical tissue voltage current electrical source sheet electrode power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 17:10
S126	5	(tissue voltage current electrical source sheet electrode power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 17:13
S127	2891	("current controlled").clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 17:14
S128	1	("current controlled output" voltage power tissue).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/08/19 17:14
S129	116	604/20.ccls. @pd>"20090801"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:22
S130	7	hoff-andrew\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:23
S131	0	(electromanipulation target tissue planar nonconductive sheet electrode voltage current power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:24
S132	0	(target tissue planar nonconductive sheet electrode voltage current power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:25
S133	0	(target tissue planar sheet electrode voltage current power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:25
S134	0	(target tissue sheet electrode voltage current power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:25
S135	10	(tissue sheet electrode voltage current power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:25
S136	26	(tissue planar electrode voltage current power).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2010/03/11 15:25

**EAST Search History (Interference)**



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**3/ 11/ 2010 3:56:11 PM**

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